

Math 212  
Quiz 06

F 02 Sep 2016

Your name: \_\_\_\_\_

## Exercise

(5 pt) Find an equation for the plane in  $\mathbf{R}^3$  passing through the points

$$(2, -2, 0),$$

$$(2, 0, 2),$$

$$(0, -2, 2).$$

*Hint:* If you have trouble determining a normal vector for this plane, think whether you can use the given points to “create” two nonparallel vectors that lie in the plane. Then think whether you can use these to determine a normal vector for the plane.